

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

January 12, 2016

Henry Dao HSP USA, LLC 3111 Route 38, Suite 11, #310 Mount Laurel, NJ 08054

Subject: PRIA Label and CSF Amendment –Adding new organisms and revising Basic

CSF

Product Name: HSP2O

EPA Registration Number: 87518-1 Application Date: June 1, 2015 Decision Number: 505751

Dear Mr Dao:

The amended label and CSF referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, are acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Please note that the record for this product currently contains the following CSF:

Basic CSF dated 11/12/2015

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false

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or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Wanda Henson by phone at 703-308-6345, or via email at henson.wanda@epa.gov.

Sincerely,

Demson Fuller, Product Manager 32 Regulatory Management Branch II Antimicrobials Division (7510P) Office of Pesticide Programs

Enclosure

ACCEPTED

01/12/2016

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 87518-1

 $(Hsp_2O)^{\mathbb{R}}$

Total......100.000%

KEEP OUT OF REACH OF CHILDREN

Manufactured by: HSP USA, LLC 3111 Route 38, Suite 11, #310 Mount Laurel, NJ 08054

EPA Registration Number: 87518-1

EPA Establishment Number: 87518-NJ-002

OVERVIEW

Description:

(Hsp₂O) is a disinfectant for use on hard non-porous inanimate surfaces. (Hsp₂O) is a super-oxidized, pH-neutral water based solution. It is a broad-spectrum, ready-to-use product that is especially useful in hospital patient care areas, dental offices, households, institutions, commercial facilities including childcare facilities, health clubs, laboratories, veterinary and pet care facilities, food processing, agricultural facilities, transportation and hospitality facilities, industrial areas.

When used according to the direction for use, this product disinfects hard non-porous surfaces including: stainless steel, chrome, glass, vinyl, glazed porcelain, non-porous plastics, baked enamel and glazed tile in the above application areas.

Cleaning and General Use Claims (These could appear anywhere on the label)

- Alcohol –and/or- bleach free
- All purpose cleaner
- Bathrooms, sinks and faucets and floor areas
- Bleach [alcohol] [fragrance] [VOC] free
- Clean before you shop
- Cleans
- Cleans bathroom soils
- Cleans blood stains
- Cleans everyday messes
- Cleans fingerprints
- Cleans food stains
- Cleans mildew stains
- Cleans rust
- Clear drying formula
- Color safe
- Colorless
- Compatible with equipment surfaces
- [Compatible with -or-Suitable] [for use on] equipment surfaces
- Compatible with -orsuitable -or- compatible with equipment surfaces for use on hospital surfaces [sites/surfaces listed on tables 1-6]
- Complies with VOC laws
- Contains non-VOCemitting ingredients
- Cuts -and/or- removes sweat

- Designed -or- Ideal for daily [cleaning] [use]
- Durable and stable solution
- Easy [cleaning]
- Effective under ambient conditions
- Four in One or 4 in 1
 [formula] : [Kills Germs]
 [Eliminate Odor]
 [Removes Stains]
 [Destroys Allergens]
- For direct application
- For easy cleaning
- For terminal cleaning
- Fragrance free
- Good for use with microfiber cloths
- Ideal for use in gyms and/or- health clubs and/or- wellness centers
- Ideal for use in schools and/or- daycare -and/oruniversities -and/orcolleges -and/or- offices
- Ideal for use on high touch surfaces
- Labor saving no-rinse formula (rinse required on food contact surfaces)
- [Leaves] [virtually] no residue
- Light touch up quick cleaning
- Made in USA
- Multi surface cleaner disinfectant

- No added [perfumes]
 [and] [or] [dyes] [and]
 [or] fragrance
- No fragrance added
- No harsh chemical fumes, -or- smell, -orodor, -and/or- buildup, and/or- residue
- No mixing
- Non-corrosive –or- Nonstaining of surfaces [sites/surfaces listed on tables 1-6]
- No special handling or disposal requirements
- No Personal Protective Equipment (PPE) required
- No phosphates
- No rinsing
- No VOCs
- Non-abrasive
- Non-bleach
- Noncorrosive
- Non-flammable
- Odorless
 Packaging made with [x%] recycled –orrecyclable plastic
- pH neutral
- Ready to use
- Removes [dried on][blood] stains
- Removes [insert stain(s)/soil(s) from list below]
- Spray trigger
- [The] smell of clean
- VOC compliant
- VOC free

Stains / Organics: Bathtub ring Fingerprints Other organic matter	Cleaning and General Claims: (These could appear anywhere on the label)				
 Beverage stains Blood Dirt Fecal matter Fecal matter Food residue[s] -or- soll[s] Pet odor Urine [stains] Urine [stains] 	Stains / Organics: Bathtub ring Beverage stains Blood Dirt	 Fingerprints Food residue[s] -or- soil[s] -or- [mess] Laboratory stains Mold stains 	Other organic matter Rust Pet odor		

Deodorization Claims: (These could appear anywhere on the label)

- Deodorizes
- Deodorizer
- Eliminates —or- removes food odors [like garlic —and/or- fish, -and/or- onion]
- Removes –or eliminates [smoke] [urine] [feces] [fish] [foul] [body] odors
- Removes pet odors [like urine –and/orfeces]
- Neutralizes odors and kills odor-causing bacteria
- Eliminates –or- neutralizes –or- removes odor [caused by bacteria –and/or- fungi] [at their source]
- Kills or- eliminates odor causing bacteria [in the kitchen –or- bathroom]
- No harsh chemical [fumes] [smells]
- No harsh alcohol smell
- Proven deodorization technology

- [This product] deodorizes hard, nonporous surfaces [Insert surface[s] from Tables 1-6] [use site[s] from Tables 1-6] [where obnoxious odors may develop]
- [This product] deodorizes surfaces [Insert surface[s] from Tables 1-6] [use site[s] from Tables 1-6] and other places bacteria growth can cause malodors]
- [This product] deodorizes areas that hard to keep fresh smelling such as [insert use site[s] from Tables 1-6] [and other areas prone to odors caused by microorganisms]

Allergen Destruction Claims: (These could appear anywhere on the label)

Allergens

- Cockroach matter -or- particles
- Dust mite matter -or- particles
- Pet dander -or- dog and cat dander

Claims

- · Breaks down allergens
- Destroys –or-[Eliminates] –or- [Removes] allergens
- Destroys -or- deactivates dust mite matter or- particles, cockroach matter -orparticles, and pet dander allergens [found in dust]
- [Penetrates and] breaks down dust mite matter –or- particles, cockroach matter -orparticles, and pet dander allergens [found in dust]
- Reduces dust mite matter -or- particles, cockroach matter -or- particles, and pet dander allergens [found in dust]
- Reduces allergens
- This product kills germs and destroys allergens while cleaning hard, nonporous surfaces.

Disinfection Claims (These could appear anywhere on the label):

- Antimicrobial –and/or- antibacterial –and/orantiviral
- Bacteria –and-or virus –and/or- fungi and/or- germ fighting formula
- Bactericide or Bactericidal
- Broad spectrum disinfectant [cleaner]
- Broad spectrum, [pH neutral], [water based], [fast acting]disinfectant
- [Broad Spectrum] [and] Multi-purpose Disinfectant
- Broad spectrum efficacy, killing pathogens causing HAIs –or- [Healthcare Associated Infections (HAIs)]
- Can help reduce the risk of cross contamination
- Cleans and disinfects hard non-porous surfaces at [Insert use sites from Tables 1-6]
- Clean -and/or- disinfect on the go
- [Insert use sites from Tables 1-6] Cleaner [and] [disinfectant] [and] [sanitizer]
- Cleans[,] and disinfects [and deodorizes]
- Cleans and/or [kills -or- eliminates -or- disinfects -or- destroys -or- removes -or- attacks -or- gets rid of] bacteria -and/or- germs -and/or- fungi [refer to any relevant organism from organism list on page 9] [in][:] [Insert use sites from Tables 1-6] [in] [as short as -or- as fast as -or- as little as] [3 min[ute]s]
- Cleans and [kills -or- eliminates -or- disinfects -or- destroys -or- removes -or- attacks -or- gets rid of] viruses [***refer to any relevant organism from organism list on page 9] [in][:] [Insert use sites from Tables 1-6] [in] [as short as -or- as fast as -or- as little as] [60 sec[ond]s-or- [1 min[ute]]
- Clean[s]. disinfect[s]. [and] deodorize[s]
- Cleans [disinfects] [deodorizes] [kills]
 [removes] germs
- Daily defense against [tough] [germs]
 [pathogens]
- Delivers disinfection and [great] [more] surface coverage to save you time and money
- Deodorizes by disinfecting
- Designed for healthcare
- Disinfecting formula
- Disinfectant cleaner designed for general cleaning and disinfecting hard, non-porous surfaces at [Insert use sites from Tables 1-6]
- Disinfection technology
- Disinfects odor causing bacteria
- Easy and or convenient way to disinfect

- Easy and convenient disinfecting
- Easy convenient disinfecting
- Effective against -or- [kills] [most]
 Multidrug Resistant Organisms [MDROs]++
 [++refer to any relevant organism from organism list on page 9]
- Effective against -or- Kills [relevant] pathogens [refer to organism list on page g)
- Effective against the tough non-enveloped Norovirus
- Fights –or- effective against –or- kills [Bacteria] and/or [Fungi] [*refer to any relevant organism from organism list on page 9] [Fungi][in 3 min[ute]s
- Fights –or- effective against –or- kills Virus
 [***refer to any relevant organism from
 organism list on page 9] [in 1 min[ute]] –
 or- 60 sec[ond]s]
- Controls cross contamination
- Fights –or- effective against –or- kills
 Influenza A Virus –or-[Insert any relevant organism from organism list on page 9]
- Fights –or- effective against –or- kills bloodborne pathogen[s] [Insert any relevant bloodborne pathogen from organism list on page 9]
- Fights –or- effective against –or- kills flu viruses
- For hospital [&] [veterinary] hard nonporous surfaces
- For instrument pre-cleaning & disinfection of noncritical instruments
- For daily defense against outbreaks in [the] or [your] hospital
- For healthcare use
- For hospital use
- Formulated –or- super-oxidized waterbased disinfectant
- Formulated with [patented] hypochlorous acid technology
- [Formulated with] [patented] engineered water [technology]
- Fungicide or Fungicidal
- Germicidal spray
- Germicide –or- germicidal
- Helps [reduce] [prevent] cross contamination [on hard, nonporous surfaces]
- Helps [reduce] [prevent] food poisoning outbreaks [on hard, nonporous surfaces]
- Hospital disinfectant cleaner
- HSP inside
- HSP technology inside
- Hospital cleaner -and / or- disinfectant

Disinfection Claims (These could appear anywhere on the label) Continued

- Instrument presoak disinfectant
- Kills microorganisms
- Kills [Blood Borne] Pathogens –and/or-[Viruses] [in one min[ute] –or- 60 sec[ond]s] [+refer to relevant organisms from the organism list on page 9]
- Kills -or- eliminates -or- disinfects -ordestroys -or- removes -or- attacks -or- gets rid of multi-drug resistant bacteria++ [++refer to any relevant organism from organism list on page 9] [in 3 min[ute]s
- Kills or- eliminates -or- disinfects -ordestroys -or- removes -or- attacks -or- gets rid of Norovirus [in 1 min[ute]] -or- 60 sec[ond]s]
- Kills or- eliminates -or- disinfects -ordestroys –or- removes -or- attacks -or- gets rid of food poisoning germs[**refer to any relevant organism from organism list on page 9]
- Kills germs
- Kills drug resistant MRSA and VRE
- Kills a wide range of pathogens [refer to organism list on page 9]
- Kills a wide range of germs [refer to organism list on page 9]
- Kills –or- destroys –or- eliminates fungus [in 3 min[ute]s
- Kills athlete's foot [fungus]
- Kills bacteria, and/or [fungi] [refer to any relevant organism from organism list on page 9] in [as short as] [as fast as] [as little as] [3 min[ute]s
- Kills virus [***refer to any relevant organism from organism list on page 9] in [as short as] [as fast as] [as little as] [1 min[ute] –or- 60 sec[ond]s]
- Kills -and/or- [eliminates] [disinfects]
 [destroys] [removes] [attacks] [gets rid of] bacteria -and/or- germs -and/or-bloodborne pathogens -and/or- viruses [on]
 [insert use sites from Tables 1-6]

- Kills –or destroys –or- effective against fungus –or fungi
- Kills with oxidizing power to help prevent drug resistant organisms (strains)
- Meets OSHA bloodborne pathogen standards
- Multi-purpose cleaner –and/or- disinfectant
- Hard non-porous surface cleaner –and/ordisinfectant
- Oxidizing agent to provide disinfection
- One step virus or antiviral disinfectant
- One step virucide
- Proven disinfection technology
- [Powered by] HSP [technology]
- Ready to use disinfectant cleaner
- Ready to use [formula]
- Real world contact times
- Real world contact times on pathogens
- Real world contact times on real world bugs
- [Product Name] [This product] meets
 EPA standards for hospital disinfection
- Super-oxidized water works by oxidizing microorganisms for complete/broad spectrum disinfection
- Touch up cleaning/disinfection
- Tough on germs, easy on surfaces
- Tough on germs, easy to use around patient[s] [areas]
- Tough on germs, easy enough for everyday use
- Two in one, no sacrifice on cleaning and disinfecting
- Two in one, [powerful] cleaning and disinfecting
- Use in places you are concerned about bacteria -and/or- viruses -and/or- germs
- Use where hazards of cross-contamination between treated surfaces is of primary importance at different sites (see sites and surfaces from Tables 1-6)
- Use -or- cleans and disinfects on healthcare surfaces
- Virucide or Virucidal
- When used according to the directions for use, this product disinfects hard non-porous surfaces including [insert use sites from Tables 1-6] [insert surfaces from Tables 1-6]

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

CLEANING AND GENERAL USE APPLICATIONS

To Clean [Nonporous] Surfaces -and/or- Floors: Spray soiled area, then wipe clean. -or- For spot cleaning, spray and wipe clean with damp sponge -or- mop or cloth.

To Clean and Deodorize Toilets: To clean and deodorize toilet bowl, squirt liberally (1/2 cup) on toilet sides and upper toilet bowl rim. Swab -or- brush all surfaces and flush.

DEODORIZATION APPLICATIONS

To Deodorize: Spray until thoroughly wet -or- Apply [this product] with [trigger sprayer] to completely wet all surfaces. Let stand for appropriate contact time [to kill odor causing [bacteria] [microorganisms] [organisms]]. Then wipe. For heavily soiled areas, a precleaning is required.

ALLERGEN DESTRUCTION APPLICATIONS

To [clean and] destroy specified allergens: Apply this product, wait 1 minute, and wipe excess. [Rinse.] Allow to air dry. [If streaking is observed, wipe with a clean, damp [cloth or] paper towel.]

DISINFECTION APPLICATIONS

Hard, Non-porous Indoor Surface Disinfection:

To [clean and] disinfect [and deodorize] Hard, Non-Porous Surfaces: Preclean heavily soiled areas. Apply [wipe or dip] [product name] [this product] with a cloth, wipe, mop, sponge, or coarse spray. Let stand [for] 1 min[ute] for [Insert Virus from organism list on page 9] — and/or- [for] 3 min[ute]s for [Insert Bacteria or Fungi from organism list on page 9].]. [Allow surfaces to air dry.] For food contact surfaces rinse with potable water. For all others, no rinsing is required. [Do not use on utensils, glasses or dishes.] For heavily soiled areas, a preliminary cleaning is required.

[KILLS HIV, HBV and HCV ON PRECLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS

In healthcare settings or other settings In which there is an expected likelihood of soiling of inanimate surfaces/objects with blood/body fluids and In which the surfaces/objects likely to be soiled with blood/body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 (HIV 1), Hepatitis B Virus (HBV) and Hepatitis C Virus (HCV).

Special Instructions for Cleaning and Decontamination against HIV 1 (AIDS Virus) HBV and HCV on Surfaces/Objects Soiled with Blood/Body Fluids: **Personal Protection** When handling items soiled with blood or body fluids use disposable gloves gowns masks and eye coverings.

Cleaning Procedure Blood and other body fluids must be thoroughly cleaned from surfaces and objects before applying this product Contact Time Let stand [for] 1 or one min[ute]. Disposal of Infectious Materials Use disposable impervious gloves gowns masks and eye coverings Blood and other body fluids must be autoclaved and disposed of according to local regulations for infectious waste disposal

MEDICAL AND DENTAL APPLICATIONS

To Pre-clean Instruments, Equipment and Surfaces Prior to Disinfection: Apply [product name] [this product] directly to the surface. Allow to remain wet for 30 seconds. Wipe surface using a paper or cloth towel to dry. Discard towel.

To Disinfect Non-critical Instruments and Equipment Surfaces: Thoroughly pre-clean surfaces prior to disinfection with [*product name*] [*this product*]. Apply [*product name*] [*this product*] directly to pre-cleaned surfaces, thoroughly wetting area to be disinfected. Allow the surface to be wet for 3 min[ute]s at room temperature (69°F / 20°C). Wipe surface using a paper or cloth towel to dry. Discard towel.

To Use As a Pre-cleaning Immersion Solution: Fill appropriate size container with a sufficient amount of [product name] [this product] as to allow for complete submersion of instruments. Place instruments into [product name] [this product] disinfectant solution, cover and allow to soak for 1 min[ute] at room temperature (69°F / 20°C). Remove and rinse the instruments. Follow with appropriate disinfection process by following directions for that product. When the solution becomes diluted or visibly soiled, change solution.

To Use As a Pre-cleaning Spray: Place instruments into suitable container. Spray [**product name**] [**this product]** disinfectant solution onto instruments so as to thoroughly wet all surfaces. Allow to remain wet for 30 seconds. Remove the instruments. Follow with appropriate cleaning and disinfection process by following directions for that product. When the solution becomes diluted or visibly soiled, change solution.

To Use As an Ultrasonic Cleaning Solution: Thoroughly pre-rinse instruments under [product name] [this product] or running water to remove visible gross debris. Fill ultrasonic unit with [product name] [this product] to a level which allows complete submersion of instrument. Immerse instruments into solution and activate ultrasonic unit for 3 min[ute]s. Remove instruments. Follow with appropriate disinfection process by following directions for that product. When the solution becomes diluted or visibly soiled, change solution.

To Use As a Manual Cleaner: Thoroughly pre-rinse instruments under [product name] [this product] or running water to remove visible gross debris. Fill container with [product name] [this product] to a level which allows complete submersion of instrument. Immerse instruments into solution and scrub for 30 sec[ond]s. Allow the instruments to remain submerged for 3 min[ute]s. Remove instruments. Follow with appropriate disinfection process by following directions for that product. When the solution becomes diluted or visibly soiled, change solution.

To Disinfect Non-critical, Pre-cleaned Medical Instruments: Instruments must be thoroughly pre-cleaned to remove excess organic debris, rinsed and thoroughly dried. (Clean and rinse lumens of hollow instruments before filling with solution or before immersion.) Using either a soaking tray or an ultrasonic unit, immerse instruments into [*product name*] [*this product*] solution and scrub for 3 min[ute]s. Remove instruments. Wipe surface using a paper or cloth towel to dry prior to use. Discard towel. The solution must be discarded after each use.

Note: Critical and semi-critical devices must be followed by an appropriate terminal sterilization / high level disinfection process.

The product is not to be used as a terminal sterilant / high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to preclean or decontaminate critical or semi-critical devices prior to sterilization of high level disinfection.

VETERINARY / ANIMAL FACILITIES APPLICATIONS

To Clean and Disinfect in a Veterinary Application: Use to clean and disinfect hard, nonporous surfaces such as feeding and watering equipment, cages, utensils, instruments, kennels, stables, catteries, etc. Remove all animals and feed from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings, and manure from walls, floors, and surfaces of facilities occupied or traversed by animals. Empty all feeding and watering equipment. Preclean all surfaces with soap or detergent and rinse with water. Saturate surfaces with [*product name*] [*this product*] and let stand for 3 min[ute]s [at room temperature].] Thoroughly scrub all treating, feeding, and watering appliances with soap or detergent, and rinse with potable water before re-use.

Disinfection of animal quarters and kennels:To clean and disinfect hard nonporous surface, remove all animals and feeds from premises. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with [*product name*] [*this product*] for a period of 3 min[ute]s. Immerse handling and restraining equipment such as leashes, muzzles, halters, or ropes. Allow equipment and housing to completely dry after use and before returning animals.

AGRICULTURAL APPLICATIONS

For live stock or poultry facilities or dairy farms, remove all the animals and feeds from the premises, vehicles, coops, crates, and enclosures. Remove all the litter, manure and droppings from the floors, walls and surfaces of barns, pens chutes and other facilities occupied or traversed by animals. Empty all troughs, racks, and other feeding and watering appliances. Remove gross filth. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with [product name] [this product] for a period of 3 min[ute]s. Immerse all halters, ropes and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. Rinse with potable water before reuse.

For cut flowers or plants, dilute [*product name*] [*this product*] with water by 1:20 ratio to spray on the flowers or plants, and put in the vase to mitigate and retard the growth of non-public health micro-organisms affecting the health and longevity of the flowers or plants. Repeat and change water if it gets murky.

FOOD PROCESSING APPLICATIONS

To disinfect food processing premises: floors, walls and storage areas. Preclean heavily soiled areas. Apply [product name] [this product] until it is covered with the solution. Allow this product to penetrate and remain wet for 3 min[ute]s to kill [Insert any relevant organism from organism list on pages 9]. Wipe off with a clean cloth, mop or sponge and thoroughly rinse all surfaces in the area with potable water. Heavily soiled areas must be precleaned before using this product.

To disinfect food processing equipment and containers: apply [product name] [this product] until it is covered with the solution. Allow this product to penetrate and remain wet for 3 min[ute]s to kill [Insert any relevant organism from organism list on pages 9]. Wipe off with a clean cloth, mop or sponge and thoroughly rinse all surfaces in the area with potable water. Heavily soiled areas must be precleaned before using this product.

OIL AND GAS APPLICATIONS

Frac Water: For typical water treatment, mix 10 US gallons of [*product name*] [*this product*] (250ppm FAC) with 990 US gallons of frac water to 2.5ppm FAC to mitigate and retard the growth of non-public health micro-organisms such as anaerobic bacteria, aerobic bacteria and sulfate reducing bacteria to protect fracturing fluids, polymers and gels.

Sour Wells: For typical water treatment, slug dose 336 US gallons of [*product name*] [*this product*] (250ppm FAC) into the well bore on a daily or weekly basis to control unwanted non-public health microorganisms, reduce hydrogen sulfide gas and restore well integrity.

Produced Waters: For typical produced water treatment, mix 42 gallons of [*product name*] [*this product*] (250ppm FAC) with 958 US gallons of produced water to 10.5ppm FAC to retard the growth of non-public health microorganisms.

Heater Treaters: Hydrocarbon Storage Facilities & Gas Storage Wells: For typical storage facility treatment, mix 252 gallons of [*product name*] [*this product*] (250ppm FAC) into the water phase of the mixed hydrocarbon / water system to retard the growth of non-public health microorganisms, control the formation of hydrogen sulfide and reduce corrosion of the storage tanks.

Water Flood Injection Water: For typical water flood injection water treatment, mix 42 US gallons of [*product name*] [*this product*] (250ppm FAC) with 958 US gallons of injection water to 10.5ppm FAC to retard the growth of non-public health microorganisms and control slime in pipelines.

Oil and Gas Transmission Lines: For typical transmission line treatment, slug dose 840 gallons of [*product name*] [*this product*] (250ppm FAC) into the transmission line on a daily or weekly basis to control unwanted non-public health microorganisms, such as SRBs, reduce microbiologically influenced corrosion (MIC).

Organism List

*Bacteria: Staphylococcus aureus [(S. aureus)] [ATCC 6538], Pseudomonas aeruginosa [(P. aeruginosa)] [ATCC 15442], Salmonella enterica [(S. enterica)] [ATCC 10708], Methicillin-resistant Staphylococcus aureus [(MRSA)] [ATCC 43300], E.coli O157:H7 [ATCC 35150], Vancomycin resistant Enterococcus faecalis [(VRE)] [ATCC 51299], Acinetobacter baumannii [(A. baumannii)] [ATCC 19606],

**Fungi: Trichophyton mentagrophytes [(T. mentagrophytes)] [(Athlete's Foot Fugus)] [ATCC 9533]

*****Enveloped Virus:** Influenza A virus [ATCC VR-544, Strain Hong Kong], Hepatitis B Virus [(HBV)] [Duck Hep B Virus (DHBV) as surrogate)], Hepatitis C Virus [(HCV)] [Bovine Viral Darrhea Virus (BVDV) as surrogate)], Human Immunodeficiency Virus [(HIV)] [Type 1] [(Aids Virus)]

- ***Non-enveloped Virus: Norovirus [(Feline Calicivirus as surrogate)]
- **+Bloodborne Pathogen:** Hepatitis B Virus [(HBV)] [Duck Hep B Virus (DHBV) as surrogate)], Hepatitis C Virus [(HCV)] [Bovine Viral Darrhea Virus (BVDV) as surrogate)], Human Immunodeficiency Virus [(HIV)] [Type 1] [(Aids Virus)]
- **++Drug Resistant Bacteria:** Methicillin-resistant Staphylococcus aureus [(MRSA)] [ATCC 43300], Vancomycin resistant Enterococcus faecalis [(VRE)] [ATCC 51299], Acinetobacter baumannii [(A. baumannii)] [ATCC 19606],

For Use on Hard, Non-Porous Surface at the Following Sites (including but not limited to):

	TABLE 1:				
Healthcare: Hospitals including emergency rooms, critical and intense care units, neonatal units, isolation areas and quarantine rooms etc. Cleanrooms Compounding pharmacies Health clinic[s] –or- doctor's offices Dental clinics and offices Ophthalmic and optometric facilities, and eye surgical centers Nursing homes –or- retirement homes Operating rooms, patient rooms, Veterinary clinics and offices, -or- animal hospitals, -or- animal housing and grooming facilities Pet shops Pharmacies Zoos Laboratories –or- animal life science laboratories	Hospitality & Household Hotels Motels Bed and Breakfasts Hostels Mobile homes Homes Condos Apartments Lodging establishments				
Food Processing & Service: Food processing facilities Commercial -and/or- institutional kitchens Food service facilities Restaurant and Bars Cafeterias Deli Fast food restaurants	Commercial Facilities Supermarkets, -or- convenience stores, -or- liquor stores Office buildings Retail businesses Athletic facilities, -or- fitness centers, -or- gymnasiums Shower rooms, locker rooms Public recreational facilities – amusement parks, -or- movie theatres,-or- bowling alleys,-or- indoor playgrounds,-or- camp grounds, -or- clubs Barber shops, -or- hair and nail salons, -or- tanning salons, -or- spas Public restrooms, -or- dressing rooms Day care centers Laboratories Convention centers				
Industrial Applications Pharmaceutical and medical device producing establishments Manufacturing facilities Industrial facilities Beverage and breweries (beer, wine, liquor production) Warehouses and distribution centers Paper manufacturing facilities	Institutions & Government: Schools (Pre-, elementary, grade, high) College –or-university –or-dorms –or- dormitories Government office buildings Prisons –or- correctional facilities Police stations Fire stations Barracks and other military accommodations Post offices Customs and immigration facilities Churches				
Public Transportation: Cruise ships Ships and boats Airplanes [Airport] Trains, and buses Transportation terminals Trucks and cars Taxis and limo Trailers and campers	Agriculture: Live stock facilities Live poultry facilities Dairy farms Arboretum Green houses and gardens				

This product is not for outdoor residential consumer use.

For Use on Hard, Non-Porous Indoor Surface at the Following Sites (includes but not limited to):

General			
 Appliances Anesthesia Machines Animal Cages Automobile interiors Bathroom fixtures Bathtubs Bed railings Bidets Cabinets Chairs (sealed wood and metal) Computers Counters Cribs Dental irrigation equipment surfaces Desks Diaper changing tables Door knobs Drinking fountains 	Eyeglasses Fax machines Faucets Floors Garbage cans Gardening tools Glazed tile Gymnasium / fitness equipment Haircutter blades Hair dryers Hand rails Headsets High Chairs Keyboards Litter boxes Metal Manicure table Microwave oven exteriors Nail files Non-critical medical equipment and devices	Oxygen hood surface Physical therapy equipment Railings Razors Refrigerator exteriors Respiratory equipment Salon surfaces Saunas Scissors Seats Shampoo bowls Showers Sinks Stainless steel Steam rooms Stoves Stovetops Stretchers Surgical beds / tables	Tabletops Telephones Toilet exteriors Trashcans Tubs Tweezers Urinal exteriors Walls Workstations

TABLE 2: Medical

Use Sites:

Ambulances -or- [Emergency Medical]

Transport Vehicles

Ambulatory Surgical Centers (ASC)

Anesthesia Rooms or Areas
[Assisted Living -or- Full Care]

Nursing Homes

Carts

CAT Lab[oratories]

Central Service Areas Central Supply Rooms -or- Areas

Cleanrooms

Compounding pharmacies Critical Care Units -or- CCUs Dialysis Clinics [Facilities]

Doctors' Offices

Donation Centers [blood] [plasma] [semen] [milk] [apheresis]

Emergency Rooms -or- ERs
Eye Surgical Centers

Health Care Settings -or- Facilities

Home Health Care [Settings]

Surfaces:

air vents

anesthesia machines apheresis machines

autoclaves

bathroom doorknob

bedpans bed rails

[bedside] commodes bedside tables

blood pressure (BP) monitors

cabinet handles call boxes

CAT -or- Computerized Axial

Tomography equipment

carts

cellular phones charging stations

closet handles coated mattresses coated pillows computer peripherals

computer screens computer tables

cords counters

[crash] [emergency] carts diagnostic equipment

dialysis machines docking stations

environmental surfaces

[exam -or- examination] tables exterior surfaces of air vents -or- air

vent exteriors external surfaces of [medical] equipment –or- [medical]

equipment surfaces

[external] [surfaces of] ultrasound transducers [-and/or- probes]

exterior of pipes

[Hospital] Kitchens

Hospices Hospitals

Intensive Care Units -or- ICU[s]

[areas] Isolation Areas Laundry Rooms Laboratories

Long Term Care Facilities

[Medical] Clinics Medical Facilities

Medical -or- Physician's -or- Doctor's

Offices

Newborn -or- Neonatal [Nurseries] [Intensive Care] Units [NICU]

Nursing Homes

Nursing -or- Nurses' Stations

Operating Rooms Ophthalmic Offices Orthopedics

Out-Patient [Surgical Centers (OPSC)]

[Clinics] [Facilities]

footboards glucometers

gurneys

handheld [electronic] devices [hard, nonporous] edges of privacy

curtains
hard, nonporous [environmental]
hospital -or- medical surfaces

headboards

[hard, nonporous]high touch surfaces [hospital -or- patient] bed[s] [springs] [railings] [frames] [linings]

infant incubators and care cribs

infant warmers

[inner] [inside of] drawers

Isolettes
Isolator hoods

IV [stands] [pumps] [poles]

keyboards laptops large surfaces loupes

mammography equipment [Mayo] [instrument] stands

medication carts computer mouse [mice] mobile devices

mobile electronic equipment

mobile workstations mouse pads

MRI -or- Magnetic Resonance

Imaging Equipment nurse-call [devices] [buttons] [and

cords] operating room tables and lights

operating room tables and light operatory light switches

oxygen hoods overbed tables paddles pagers Patient Areas Patient Restrooms Patient Rooms

[Pediatric] Examination Rooms -or-

Areas

Pediatric Intensive Care Units [PICU]

Pharmacies

Physical Therapy Rooms -or- Areas

Physicians' Offices Psychiatric Facilities Public [Care] Areas

Radiology -or- X-Ray Rooms -or-

Areas

Recovery Rooms . Rehabilitation Centers

Respiratory Therapy Rooms -or-

Areas Restroom

Surgery Rooms -or- Operating Rooms

or OPc

Waiting Rooms -or- Waiting Areas

[patient] chairs

patient monitoring equipment patient support and delivery

equipment phlebotomy trays

physical therapy (PT) equipment and

surfaces phone cradle

plastic mattress covers,.

power cords pulse oximeters PVC tubing

reception counters -or- desks -or-

areas
remote controls
respirators

respiratory therapy equipment

ecales

sequential compression devices

shower fixtures side rails slit lamps small surfaces spine backboards stethoscopes stools stretchers support bars tablet PCs toilet hand holds traction devices

walls [around toilet] [in patient rooms]

wash basins wheelchairs x-ray equipment

TABLE 3: Dental

Use Sites: Surfaces:

Dental Operatories Dental -or- Dentist's Offices Examination Rooms amalgamators -and/or- dental curing lights dental countertops dental operatory surfaces

dental operatory surfaces dentists' -or- dental chairs dental unit instrument trays

endodontic equipment such as apex locators

hard, nonporous [environmental]

dental surfaces light lens covers pulp testers and motors

reception counters -or- desks -or- areas

TABLE 4: Veterinary:

Use Sites:

Animal [Pet] Housing [Kennels] [Facilities]

Animal Holding Areas

Animal life Science Laboratories [Animal -or- Pet] Grooming Facilities Animal Transportation Vehicles Breeding Establishments

Dairy Farms Equine Farms Farms

Use Sites:

Banquet Halls

Catering Facilities

Delis [Delicatessens]

Establishments

Restaurants School Kitchens

Food Serving Areas

[Front of] Restaurants

Cafeterias

Bars

Kennels Livestock -and/or- Swine -and/or-

Commercial -or- Institutional Kitchens

Fast Food Chains -or- Restaurants

Other Food Service Establishments

Food Preparation and Processing

Food [Service -or- Processing]

Poultry Facilities

Pet [Areas] [Quarters] Pet Shops -or- Stores Small Animal Facilities Tack Shops

Veterinary Clinics -or- Facilities Veterinary [Offices] [Waiting

Rooms

Veterinary -or- Animal Hospitals Veterinary [Examination Rooms] Veterinary [X-ray Rooms] Veterinary [Operating Rooms]

Zoos

Surfaces:

animal equipment automatic feeders

cages

exterior surfaces of fountains external surfaces of [veterinary]

equipment

exterior surfaces of watering appliances

feed racks

hard, nonporous [environmental]

veterinary surfaces

pens

reception counters -or- desks -or- areas

stalls troughs

veterinary care surfaces

TABLE 5: Food Service:

Surfaces:

any washable (food and non-food contact) [hard, nonporous inanimate] surface where

disinfection is required appliance exteriors

appliances dish racks drainboards food cases food trays freezers

glass salad bar sneeze guards

hoods

microwave[s] exteriors

oven[s] exteriors plastic salad bar sneeze

guards

refrigerator[s] exteriors stoves -or- stovetops

A potable water rinse is required for food contact surfaces

Do not use on glassware, utensils or dishes

TABLE 6: Other

Use Sites:

Airplanes [Airports] Ambulances Amusement parks

Athletic [Recreational] Facilities

Barber Shops **Basements** Bathrooms

Bathroom -or- Locker Room Facilities

Beauty [Salons] [Shops]

Bedrooms Blood Banks Bowling Alleys Buses **Butcher Shops** Cafeterias

Campers Campgrounds Churches Colleges

Convenience Stores Convention Centers Correctional Facilities Cruise Ships

Dairy Farms

[Damp] Storage Areas Day Care Centers

Dens

Dining halls Dorms **Dormitories**

Elevators **Emergency Vehicles** Factories Fast Food Restaurants [Food Processing] Plants

Food Storage Areas Funeral Homes

Garages Garage Storage Areas Garbage [Cans] [Disposals] [Garbage] [Waste] Storage Areas

Gas Stations

Greenhouses Pet Areas

Grocery Stores Pet Shops and Other Animal Care Gymnasiums -or- Gyms Facilities

Health Club[s] [Facilities] **Pharmacies**

Home Centers Hotels Produce Areas Housing facilities **Public Areas** Industrial Facilities **Public Facilities**

Institutional [Kitchens][Bathrooms] Public Restrooms

[Institutional] Laundromats

Institutions

Homes

[Interior [hard, nonporous] surfaces of]

Rental Cars Kennels

Kitchen[s] [Surfaces] Laboratories Laundromats Laundry Rooms

Lavatories Libraries Locker Rooms Lodging Establishment

Lounges Malls

[Manufacturing] Plants

Manufacturing Plants -or- Facilities

Mass Merchandisers, Discount Retailers -and/or- General Merchandise Stores

Military Installations Mobile Homes Mortuaries Motels Motor Homes Mudrooms Nurseries

Office[sl [Buildings] Pet Animal Quarters

Play Areas -or- Rooms [Police -and/or- Fire] Vehicles

Public Telephone[s] [Booths] Recreational Centers -or- Facilities

Rest Stops-Restaurants

Restrooms -or- Restroom Areas

Retail and Wholesale Establishments Retail Businesses

[Retail] [Wholesale] Florists

School Buses Schools Shelters Shippers

Shopping Centers Shops Shower Rooms

Spas [Massage/Facial] [Hair/Nail]

[Salons] Sports Arenas Sports Stadiums

Storage Rooms -or- Areas

Subways Supermarkets Tattoo Parlors **Toolsheds**

Transportation Terminals

Trains **Trolleys** Universities Vacation Homes Warehouse Clubs Work Stations Zoos

Surfaces:

appliance exterior[s] [surfaces] appliance -or- cabinet knobs

baked enamel bassinets

[bathroom] fixtures

[bathroom] [kitchen] faucet[s]

[handles] [bath]tubs BP Monitors bed frames

[behind and under] [counters]

-or- countertops [behind and under] sinks]

booster chairs

bottoms of pots and pans

burner trays cabinets

cages carts

cell[ular]-or- wireless -or- mobile

-or- digital phones Hard non-porous chairs changing tables chemotherapy hoods [children's] furniture

chrome chrome exterior surfaces of urinals

-and/or- toilets

closets

[clothes] [diaper] hampers

computer mouse computers

[computer] keyboards [computer] monitors cooler exteriors cupboards

crystal (non-food contact areas)

desk[s] [tops]

[diaper -or- infant] changing [tables]

-or- areas [stations]

diaper pails

dictating equipment [surfaces] [dining] [fast food] [kitchen] [play]

[restaurant] [tray] tables

dining room surfaces -and/or- tables -and/or- fast food restaurant tables

door[s] [handle[s]] [framers]] doorknobs

drain boards drawer pulls dressing carts elevator buttons empty garbage bins exercise equipment exercise machines exercise mats exhaust fans

exterior -or- external toilet surfaces exterior -or- external urinal surfaces

faucets

fax machine[s] [handles] [filing] [medicine] cabinets finished hardwood finished -or- painted walls

TABLE 6: Other Continued

finished -or- painted woodwork

finished windowsills

fixtures

floors and walls of coolers floors [around toilets]

flower buckets

Hard non-porous furniture

freezer exteriors garage surfaces garbage -or- trash cans

glass

glass-topped furniture

glazed ceramic [restroom surfaces]

glazed [ceramic] tile[s]

glazed porcelain [tiling -or- tile] [grocery [store]-or- supermarket] carts [grocery [store] -or- supermarket]

cart handles

[grocery [store] -or- supermarket] cart

child seats

gym[nastic] equipment

hampers

[hand) railings -or- rails

hard, nonporous areas -or- surfaces behind and under counters hard, nonporous areas -or- surfaces

behind and under sinks [hard, nonporous surfaces of] car

interiors

hard, nonporous office -or- bedroom -or- bedside furniture

[hard) plastic -or- vinyl

headsets

high chairs [(non-food contact areas)]

[Instrument) Stands

[Interior [hard, nonporous] surfaces of]

automobiles [Interior [hard, nonporous] surfaces of]

vehicles

[kids'] play [structures] [equipment]

[furniture] [tables]

[kitchen) appliance exteriors

lamps

large inflatable nonporous plastic light fixtures -or- switches -or- panels

linoleum lockers'

[medicine] cabinets

metal metal blinds metal work benches microwave exterior office machinery

other telecommunication[s] equipment [surfaces] outside of [appliances]

[microwaves] [refrigerators]

oven doors packing benches piano kevs

pet areas -or- surfaces

plastic laundry hampers -or- baskets

plastic shower curtains

plastic surfaces associated with: floors, walls, fixtures, toilets, urinals, sinks, shower rooms

and locker rooms

playpens phones portable toilets

[public -or- pay] telephones

-or- phone booths range hoods recycling bins

refrigerator door handles refrigerator exterior

remote controls restroom fixtures

RVs sealed fiberglass polyester, vinylester

and epoxy resins

seats

shelves [and drawers]

shower[s] [area] [curtains] [doors]

[stalls] [walls]

signs

sill[s] ledge[s] sink[s] [basins] sports equipment stainless steel stall doors staplers

stereo consoles storage bins

stovetops -or- stoves strollers

synthetic marble

tables [tabletops] telephones tiled walls toilet area[s]

toilet -and/or- urinal exterior[s]

[surfaces] -or- exterior toilet surfaces [toilet [flush]] [telephone] [cabinet]

[dishwasher] [door] [faucet] handles toilet handle[s] toilet rim[s] toilet seat[s] toilet top[s]

tools towel dispensers

toys toy boxes [training] toilets

trash cans -or- compactors

tray tables tubs

[TV] Remote[s] [Control][s] vanity tops -or- vanities vending machine surfaces

[vinyl] linoleum walkers walls

TABLE 6: Other Continued

Surfaces:

washable ceilings
[washable] floors [including linoleum,
no-wax, vinyl, and glazed ceramic
tile]
washable kitchen surfaces
washable walls
washers/dryers -or- washing
machine exterior[s]
wastebaskets
window [blinds] [shades]
windows and mirrors
windshields
work benches

Surface Materials:

wrestling mats

[baked] enamel

laminated surfaces

Marlite Naugahyde

brass
chrome
copper
[common] hard, nonporous
[household -or- environmental]
surfaces
formica
glass
glazed ceramic [tile]
glazed porcelain
glazed porcelain enamel
glazed tile
hard, nonporous painted surfaces

plexiglas
porcelain enamel
sealed fiberglass
similar hard, nonporous surfaces
except for those excluded by the
label
stainless steel
synthetic marble
vinyl [tile]

plastic [laminate]

PRECAUTIONARY STATEMENTS

Environmental Hazard

[For containers ≥ 5 gallons] Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store (Hsp₂O) in its original sealed container at room temperature, away from direct sunlight and heat to avoid deterioration. If the product leaks or spills from the container, rinse the area with water and let it air dry.

Pesticide Disposal: If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program.

Container Disposal:

[For containers < 5 gallons] Non-refillable Container. Do not refill or reuse container. Triple rinse then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

[For containers ≥ 5 gallons] Non-refillable Container. Do not refill or reuse container. Triple rinse as follows: Empty the remaining content into application equipment or a mix tank. Fill container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat the procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

OPTIONAL TEXT

WARRANTY

HSP USA LLC warrants that this product conforms to the product specification on this label and is reasonable fit for the purposes set forth in the Directions of Use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE.

